

1.0 INTRODUCTION

1.1 The purpose of this report is to provide a summary of the results of the tests conducted on the T-beams welded at -70 and -90°C. The tests were conducted to determine the effect of temperature on the weld fillet, fillet strength, and the ability of the weld to maintain its strength after exposure to high temperatures. The tests were conducted on T-beams welded at -70 and -90°C. The results of the tests have confirmed the high strength of the welds at low temperatures. The welds were able to maintain their strength after exposure to high temperatures. The welds were also able to maintain their strength after exposure to high temperatures. The welds were also able to maintain their strength after exposure to high temperatures.

2.0 TEST PROCEDURES

L 05191-67 DWT(m) DI

ACC NR: AP6011227

(A)

SOURCE CODE: UR/0413/66/000/006/0065/0065

AUTHORS: Golovko, V. N.; Shkol'nikov, B. M.; Zhitkov, N. B.; Chepurov, B. M.; Volkovirskiy, I. I.

26
B

ORG: none

TITLE: Frictional disk brake. Class 35, No. 179893 [announced by State Scientific Research and Design-Construction Institute for Petroleum Machinery Construction (Gosudarstvennyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut neftyanogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 65

TOPIC TAGS: friction, well drilling machinery, drilling machine

ABSTRACT: This Author Certificate presents a frictional disk brake for, say, drill hoists. The brake consists of a casing, a shaft connected to the shaft of the drill hoist, and a friction disk. To insure the independent action of the braking moment from the rotary velocity of the hoist shaft, the immovable friction disks contain internal openings (see Fig. 1). These openings are connected to a closed circuit through which cooling liquid is circulated by, say, a centrifugal pump. To facilitate the exchange of friction sheaves, the latter are loosely held by the disks.

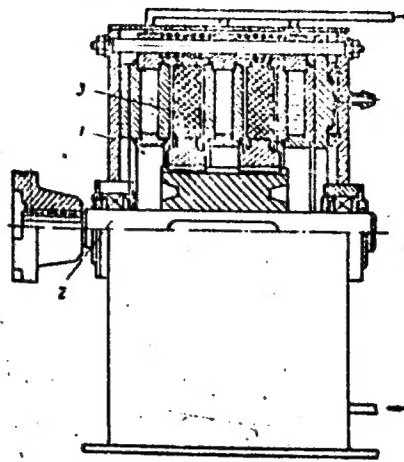
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UDC: 622.24.054:621.864-783.52

L 05191-67

ACC NR: AP6011227

Fig. 1. 1 - case; 2 - shaft; 3 - friction disk.



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 12Aug63

Card 2/2 vmb

Головки, В. П.

15-1957-1-96

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 13 (USSR)

AUTHOR: Golovko, V. P.

TITLE: Change in the Molluscan Fauna of the Lower Sarmatian
Deposits in the Vicinity of Veselyanka Village and
the Comparison of This Fauna with That of the Same
Deposits From Other Localities (Izmeneniye fauny
mollyuskov otlozheniy nizhnego sarmata okrestnosti
s. Veselyanki i sravneniye ikh s faunoy tekhn zhe
otlozheniy iz drugikh mestonakhozhdeniy)

PERIODICAL: Tr. Odessk. gos. un-ta, Sb. geol. geogr. fak, 1954,
vol 2, pp 121-139

ABSTRACT: Two horizons, differing in their mollusk population
can be distinguished in the Lower Sarmatian deposits
on Konka River: the lower, in which Mohrensternia

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Change in the Molluscan Fauna of the Lower Sarmatian Deposits in
the Vicinity of Veselyanka Village and the Comparison of This Fauna
with That of the Same Deposits From Other Localities (Izmeneniye fauny
mollyuskov otlozheniy nizhnego sarmata okrestnosti s. Veselyanki i
sravneniye ikh s faunoy tekhn zhe otlozheniy iz drugikh mestonakhozhdeniy)
15-1957-1-96
APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515820014-5"

15-57-2-1345
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,
p 24 (USSR)

AUTHOR: Golovko, V. P.

TITLE: Ostracoda From the Meotian and Upper Sarmatian Deposits
in the Village of Kubanka (O faune ostrakod iz meo-
ticheskikh i verkhnesarmatskikh otlozheniy s. Kubanki)

PERIODICAL: Tr. Odessk. un-ta, 1955, Vol 145, ser. geol. i geogr.,
Nr 3, pp 41-54

ABSTRACT: The author describes 12 new species of ostracoda (genera
Ilyocypris, Kaspiocypris, Cythere, Loxoconcha, Xestole-
beris) from the upper Sarmatian and Meotian deposits of
the Kuyal'nitskiy estuary, 35 km northeast of Odessa.
In the upper Sarmatian, 15 species characteristic of the
coastal deposits of the brackish water basin are found
together. There are no fresh water forms. The tran-
sition to the Meotian is gradual. Almost all of the
Sarmatian species change into the Meotian, and many new
species are introduced. Altogether 31 species were

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Ostracoda From the Meotian and Upper Sarmatian (Cont.) 15-57-2-1345

found. The lower layers of the Meotian were deposited in a saline basin, and contain a rich ostracoda fauna. The upper layers were deposited in a less saline basin, where a part of the species died out and fresh water forms appeared. The author compares the ostracoda of the Meotian and the upper Sarmatian in the Crimean-Caucasian region and in the village of Kubanka.

V. A. K.

Card 2/2

AUTHOR: Golovko, V. P. SOV-25-58-9-58/62
TITLE: Letter to the Editor (Nam pishut)
PERIODICAL: Nauka i zhizn', 1958, Nr 9, p 77 (USSR)
ABSTRACT: The author, director of the Paleontologic Museum of Odessa State University imeni I.I. Mechnikov, describes the discovery of the skeleton of a large mammoth near Odessa.
1. Paleoecology-USSR

2.ri 1/1

GOLOVKO, V.P. [Golovka, V.P.]

Southern mammoth *Elephas primigenius Jatskovi* subsp. nov. from
alluvium of the Chichikleya River in the vicinity of Alekseyevka.
Pratsi Od. un sbir. mol. vchen. un. 148 no.3:315-321 '58 (MIRA 13:3)

1. Nauchnyy rukovoditel' - dots. I. Ya. Hatsko.
(Mammoth)

ZOR'KIN, I.M.; GOLOVKO, V.T.; STOROZHEV, A.D.

Hydrogeological conditions of the Berezhovo gas-bearing region
in Western Siberia. Trudy VNIIGAZ no.22:204-322 '64.

(MIRA 17:10)

GOLOVKO, V. V., inzh.

Controlling device for submerging reinforced-concrete piles.
Transp. stroi. 15 no.2:28-31 i '65. (MIRA 18:3)

SHUROVSKIY, V.G.; VLADIMIROV, V.P.; ONATYSHENKO, G.I.; KUROCHKIN, A.F.;
SHCHUROVSKIY, Ya.A.; ADSON, M.I.; GOLOVKO, V.V.

Some physicochemical properties of charges for and the products of
the electric smelting of Dabekaskan copper concentrates. Izv.AN
Kazakh SSR Ser. met., obog.i ognep. no.1:8-13 '61. (MIRA 14:6)
(Dabekaskan—Copper—Electrometallurgy)

TSDET, A.I.; QVAYEV, I.A.; SHCHERBET, V.G.; FURCHEN, A.P.; SANFILOV,
P.B.; ANDON, N.I.; GAGOV, V.V.

1
Aqueative electric smelting of Dzhezkazgan copper concen-
trates with the production of high calcium slag. Study
Inst. met. i obog. AN Kazakh. SSR 8240-49 '63 (MIRA 17:8)

KIM, G.V.; KUYATKOVSKIY, A.N.; ARDEYEV, M.A.; GOLOVKO, V.V.

Vacuum treatment of blister copper. Trudy Akad. Nauk Kazakh SSR
14:86-89 163. (MIRA 16:9)

(Copper Metallurgy) (Vacuum metallurgy)

ONAYEV, I.A.; KUFCHENIN, A.F.; TSEFT, A.L.; ADEK', N.I.; GOLYKO, V.V.;
KUTASOV, Y.I.

Smelting of the Balkhash copper concentrates with an oxygen-
enriched blow in cyclone furnaces. Vest. AN Kazakh. SSR 21
no.1:27-34 Ja '65. (MIRA 18:7)

ACC NR: AP7002615 (A, N) SOURCE CODE: UR/0413/66/000/023/0 09/0130

INVENTOR: Golovko, V. Y.; Spektor, L. A.; Agranat, A. R.; Mezhaev, V. ;
Khozorchenko, A. S.; Olifir, V. P.

ORG: Ncne

TITLE: A radial plunger pump. Class 59, No. 189314 [announced by the Gorlovka
Machine Building Plant im. S. M. Kirov (Gorlovskiy mashinostroitel'nyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 129-130

TOPIC TAGS: hydraulic pump, fluid friction

ABSTRACT: This Author's Certificate introduces a radial plunger pump with a rotating
cylinder block. The pump is designed for operation as a high-efficiency submerged
unit by eliminating oil friction in the rotating components. The cylinder block is
enclosed in a chamber with two vent holes, one to permit escape of the oil from the
chamber under the effect of centrifugal forces, and the other to prevent the formation
of a vacuum in the chamber by communicating with the atmosphere.

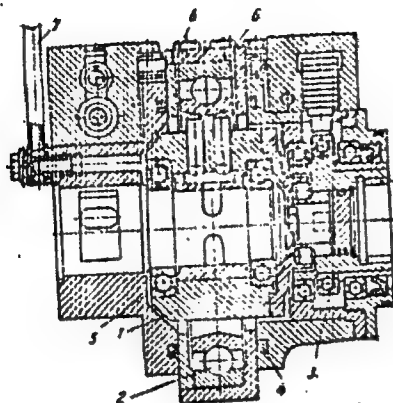
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UDC: 621.653-728

0930

2733

ACC NR: AP7002615



1--rotor; 2--bearing; 3--shaft; 4--seal; 5--chamber; 6--hole for escaping oil;
7--hole communicating with the atmosphere

SUB CODE: 13/ SUBM DATE: 16Dec64

Card 2/2

PODKOLZIN, P.S.; FINSKER, P.Z.; GOLOVKO, Ya.S.; GAVRISH, V.I.

Mining industry in the Ukraine on the 40th anniversary of
the Great October. Nauch. trudy KHGI no.6:15-29 '58.

(MIRA 14:4)

(Ukraine--Mines and mineral resources)

GOLOVKO, Ya. V. [Golovko, IA.V.]

Increasing the reliability and lengthening the service life
of food machinery. Khar. prom. no.1:60 Ja-Mr '63.
(MIRA 16:4)

(Food machinery)

GOLOVKO, Ya.V. [Golovko, IA.V.]

Basic trends for the modernization of the automatic IZ "Iris" coffee
wrapping machine. Kharch.prom. no.4:11-13 O-D '63. (MIRA 17:1)

GOLOVKO, Ya.V.

Difficultly obtainable materials should be saved. Mashinostreitel'
no.7:35 J1 '63. (MIRA 16:9)
(Machinery industry—Management)

GOLOVKO, Yu.V. [Golovko, IA.V.]

and automatic SERVA machine for twist wrapping of wires. ...
proc. no.3:13-16 JI-S '65. (18:0)

GOLOVKO, Ye.V. [Holovko, IA.V.]

Increasing the reliability and lengthening the service
life of food machinery. Khar. prom. no.4:56-59 O-D '65.
(MIRA 18:12)

GOLOVKO, Ye.M., inzh.; TSIREL'SON, G.I., inzh.

Machine for the manufacture of cardboard and paper from paper
stock. Bum. prom. 37 no.7:19-23 J1'62. (MIRA 17:2)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektno-konstruk-
torskiy institut bumagodelatel'nogo mashinostroyeniya.

GOLOVKO, Ye.M.

Ways to modernize the cardboard and papermaking machinery. Bum. prom.
37 no.8:3-6 Ag '62. (MIRA 17:2)

1. Glavnyy inzh. TSentral'nogo nauchno-issledovatel'skogo i proyektno-konstruktorskogo instituta bumagodelatel'nogo mashinostroeniya.

SELENEVA, A. S.; GOLOVKO, YE.G.

Physiology, Pathological

Shortened P-Q interval in a child in visceral transposition as revealed by an electrocardiogram. A. S. Slepneva, YE.G. Golovko. Klin. med. 30 no. 7, 1952

Monthly List of Russian Accessions, Library of Congress, December 1957. UNCLASSIFIED.

GOLOVKO, K.M., inzh.; TSIREL'SON, G.I., inzh.

New design of the dampening attachment for papermaking machines.

Bun.prom. 34 no.1:21-22 Ja '59.

(NIRA 12:1)

(Papermaking machinery)

GOLOVKO, Ye. N.

Manufacture first-class machinery for the paper industry.
Bum. prom. 36 no. 11:4-6 N '61. (MIRA 15:1)

1. Glavnyy inzh. Tsentral'nogo nauchno-issledovatel'skogo
instituta kumagodelatel'nogo mashinostroyeniya.
(Papermaking machinery)

EYDLIN, Isak Yakovlevich. Prinimali uchastiye VANCHAKOV, V.M., inzh. [deceased]; LATVINOV, M.D., inzh.; KOZULIN, N.A., doktor tekhn. nauk, prof., ofitsial'nyy retsentsent; GOLOVKO, Ye.M., inzh., ofitsial'nyy retsentsent; KLOPOV, V.M., inzh., ofitsial'nyy retsentsent; BHOLOTSKIY, A.I., kand. tekhn. nauk, dots., red.; KHIVRICH, Ye.D., red. izd-va; GRECHISHCHEVA, V.I., tekhn. red.

[Papermaking and finishing machines] Bumagodelatel'nye i ot-dalochnye mashiny. Izd.2., perer. i dp. Moskva, Goslesbum-indat, 1962. 686 p. (MIRA 16:5)
(Papermaking machinery)

YLSHIN, Vladimir Lvovich, kand. tekhn. nauk; NIKOLAI, Grigoriy Grigoriyevich;
SKLIMAN, Akin Konstantinovich; GIGOVIC, Te.M., red.

[Repair of the technological equipment of woodpulp and paper
enterprises] Remont tekhnologicheskogo oborudovaniia tsel-
lulozno-bumazhnykh predpriiatii. Moskva, Moshnia promysh-
lennosti, 1965. 120 p. (MIRA 18:0)

KUZNETSOV, Pavel Grigor'yevich; GOLOVKO, Ye.V., otv.red.; CHASOVIKOVA,
M.I., tekhn.red.

[Filing machine] Opilovochnyi stanok. Alma-Ata, TSentr.in-t
nauchno-tekhn.informatsii, 1959. 26 p. (MIRA 13:9)
(Machine tools)

MARKOVICH, Mark Mikhaylovich; GOLOVKO, Ye.V., otv.red.; CHASOVIKOVA,
Z.I., tekhn.red.

[Use of solar energy in the U.S.S.R. and abroad; possibilities
of the use of solar energy in Kazakhstan] Ispol'zovanie sol-
nechnoi energii v SSSR i za rubezhom i perspektivy ee ispol'zova-
niia v Kazakhstane. Alma-Ata, TSentr.in-t nauchno-tekhn.infor-
matsii, 1959. 28 p. (MIRA 13:11)

(Solar energy)

SECHEDROVITSKIY, S.S., kand.tekhn.nauk; KOPEYKINA, N.N., inzh.; TARAPIN, V.N.,
inzh.; GOLOVKO, Z.I., inzh.; KISELEVSKIY, S.I., inzh.;
GOLOVANOV, A.I., inzh.

Universal loader limiter. Bezop.truda v prom. 5 no.7:16-19
Jl '61. (MIRA 14'6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo
i dorozhnogo mashinostroyeniya.
(Cranes, derricks, etc.--Safety appliances)

GOLOVKOV, G.A.; KONRADT, A.G.

Combined rearing of carp and whitefish on a commercial carp farm. Trudy sov. Ikht. kom. no.14:59-63 '62. (MIRA 15:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva (GosNIORKh).
(Moldavia—Carp)
(Moldavia—Whitefishes)

GOLOVKOV, Georgiy Aleksandrovich; KUZ'MIN, Anatoliy Nikolayevich;
POTEMKINA, N.S., red.; POLUYEKHINA, N.I., tekhn. red.

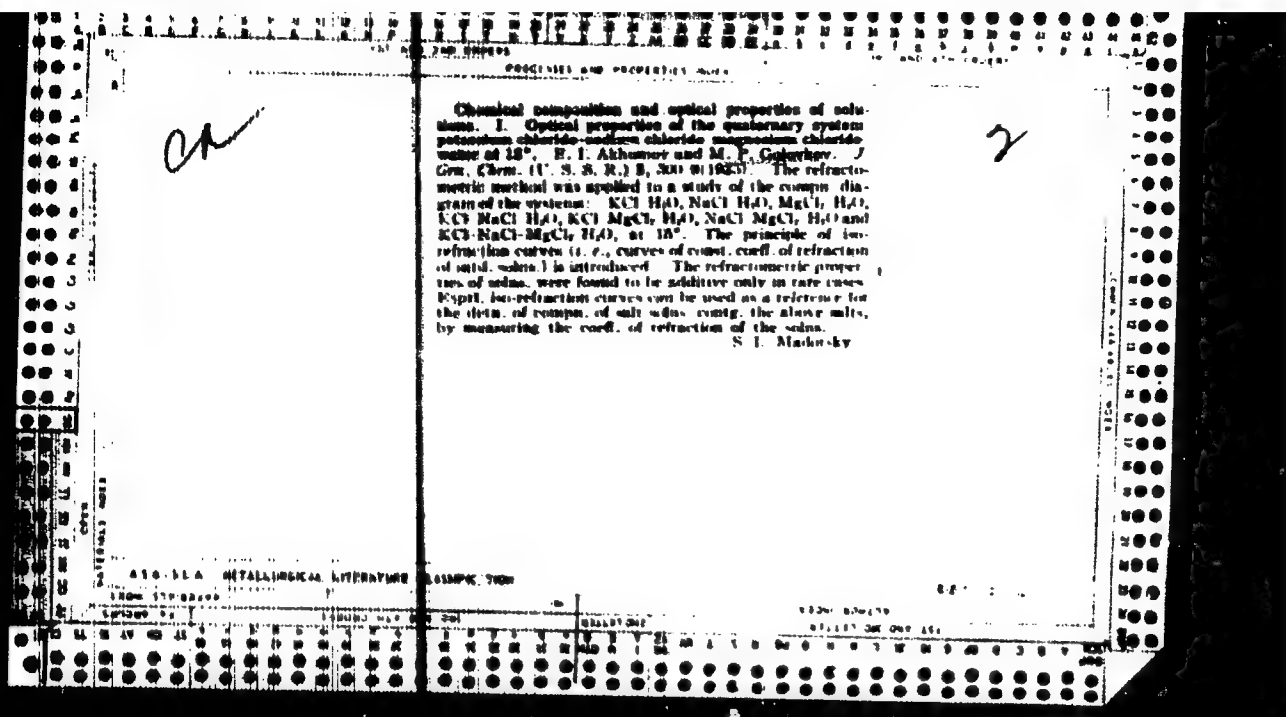
[Biology of *Coregonus peled* and the biotechnics of its
cultivation] *Biologiya peljadi i biotekhnika ee razvede-*
niia. Moskva, Rybnoe khoziaistvo, 1963. 52 p.

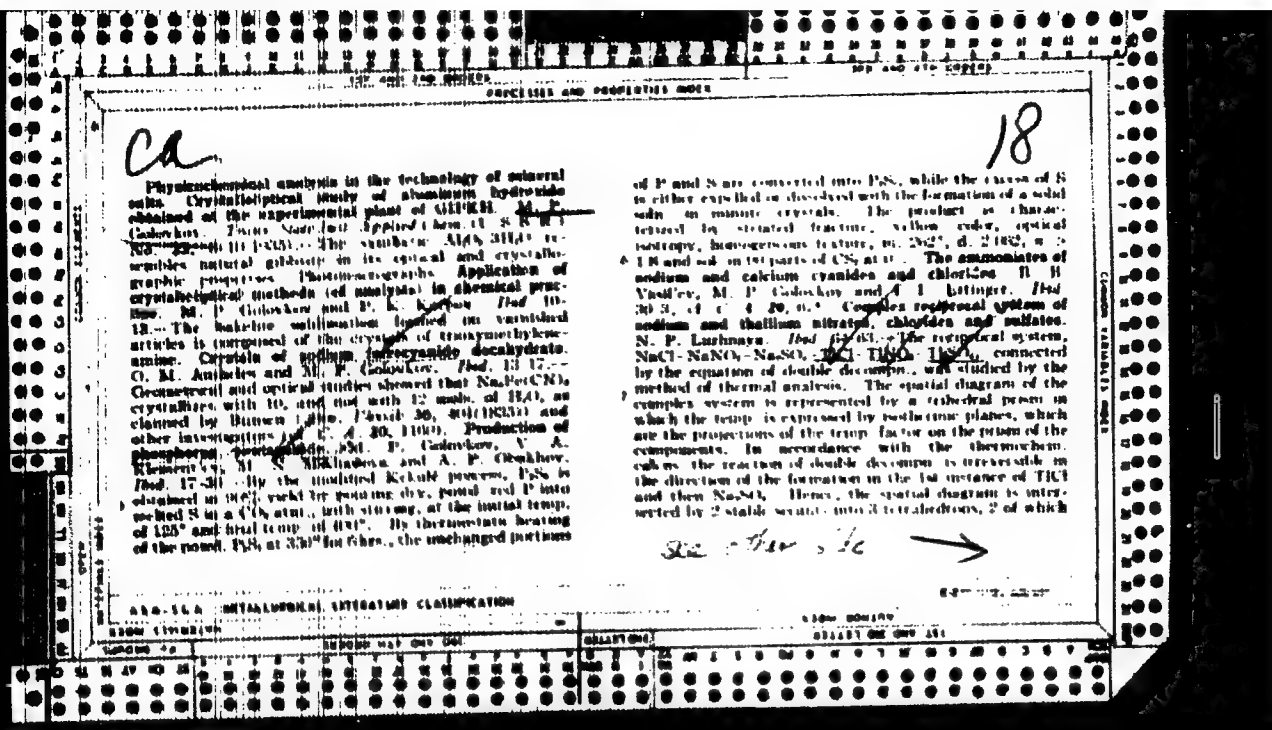
(MIRA 17:3)

GOLIVKOV, G.D.

Vneklassnaia rabota po khimii (Extra-curricular work in chemistry). Moskva, Uchpedgiz, 1953. 31 p. (Opyt peredovogo uchitelia).

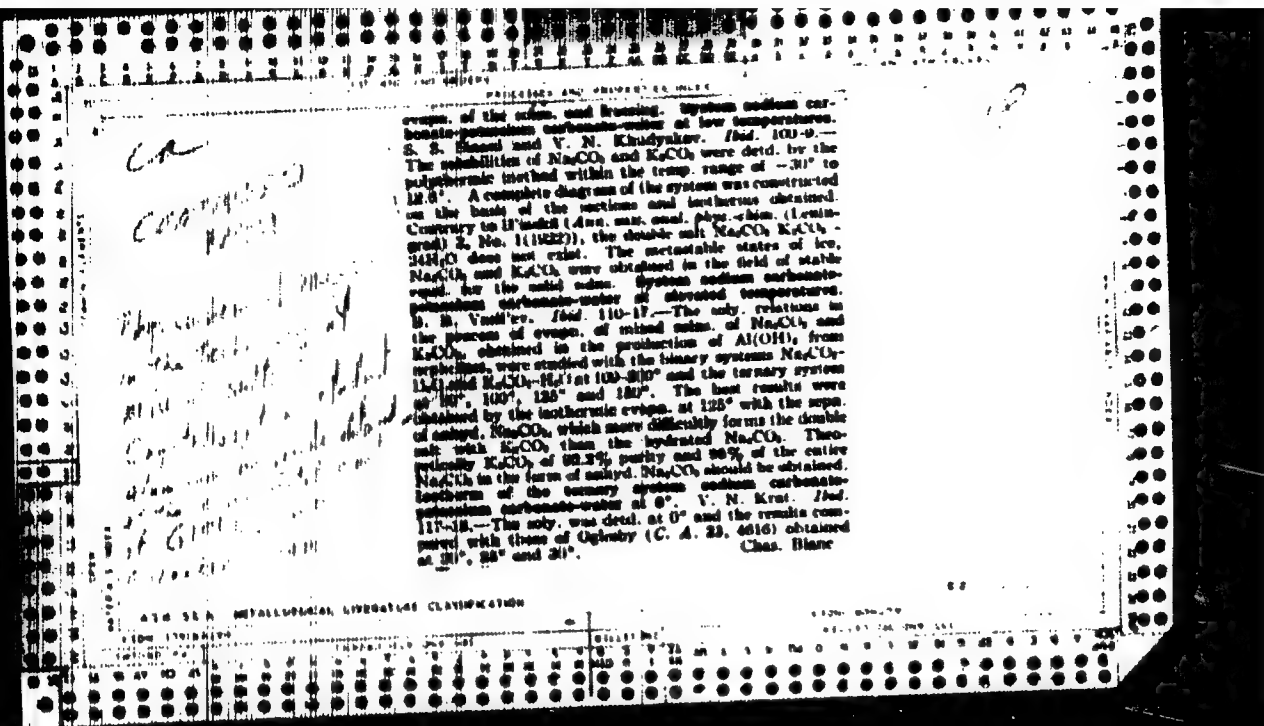
SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954





are rectangular and the third in the center is acute-angled. The stable systems represent the ternary eutectic systems, and the tetrahedrons the simple quaternary systems. In the sections, as well as in the tetrahedrons, all the λ lines are simultaneously present, but, because of the irreversibility of the reactions, they are grouped into 3 or 4 components actually present. Ternary system $KCl-KNO_3-K_2SO_4$. R. I. Kur'mina. *Ibid.* (3) 6. The system $K_2SO_4-KNO_3$ was studied by the method of soln. of the 1st of the last crystals. Six internal sections of the system $KCl-KNO_3-K_2SO_4$ are shown. A Roseman triangle is drawn, showing the normal soln. of the investigated components. The general soln. is 31% with the (soln.). K_2SO_4 1, KCl 10.25 and KNO_3 92.25%. Physicochemical conditions of the crystallization of potassium chlorate at 0° and -10°. A. I. Zaslavskii. *Ibid.* 67-68. The eutherm of the eutectic system $2KClO_3 + CaCl_2$ as $2KCl + Ca(ClO_3)_2$ at 0° and -10° were detd.,

to learn the conditions of $KClO_3$ crystn. in the production with $Ca(OH)_2$ and Cl_2 . Curves and tables are given for the yields of $KClO_3$ sep'd. by crystn. in relation to the compn. of the reaction mixt. and temp. It is shown that under suitable conditions the yield of $KClO_3$ can be increased to 93.3% at 0° and 94.5% at -10°. Binary system ammonium chloride-water. R. I. Akhmedov and B. B. Vasil'ev. *Ibid.* 65. Soln. of NH_4Cl in H_2O at temps. 100-215° is tabulated. Isotherm of equilibrium of reciprocal system potassium chloride-calcium chloride at 25° in aqueous solution. V. B. Egorov. *Ibid.* 66-68. The soln. of the system: $2KCl + Ca(ClO_3)_2$ as $2KClO_3 + CaCl_2$ at 25° and the soln. relations of $CaCl_2$ within the temp. range of -40° to 200° were detd. (cf. C. A. 26, 8282). Sodium and potassium carbonates and bicarbonates in aqueous solutions. A. G. Bergman, B. B. Vasil'ev and S. B. Simoni. *Ibid.* 67-69. Isotherms of Na_2CO_3 and K_2CO_3 in the soln. obtained in the production of $Al(OH)_3$ from Khibin apatites were studied. The isotherm for the system $Na_2CO_3-KHCO_3-H_2O$ was detd. at 0°. The system $Na_2CO_3-K_2CO_3-H_2O$ was studied by the polythermic method at -57 to 35° and by the isothermic method at 60-120°. A good separation of Na and K can be effected from the mixed residues treated with CO_2 , because $NaHCO_3$ and $KHCO_3$ form no solid soln. Good results were obtained by partial

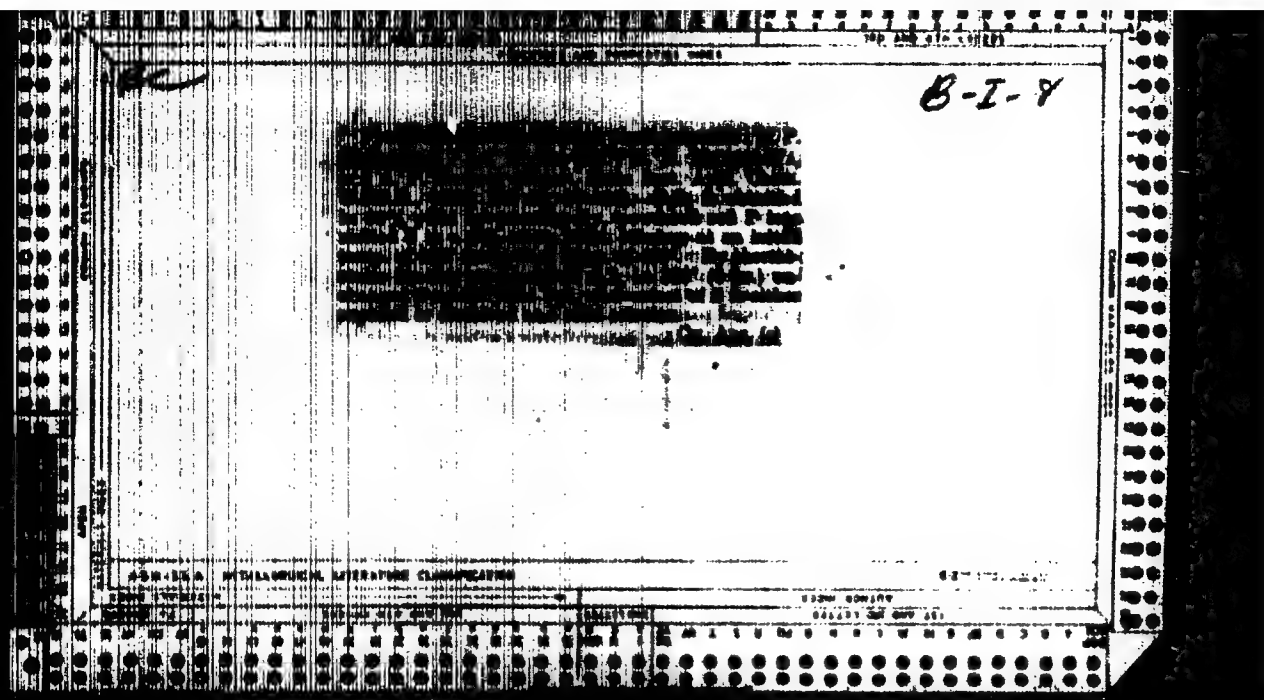


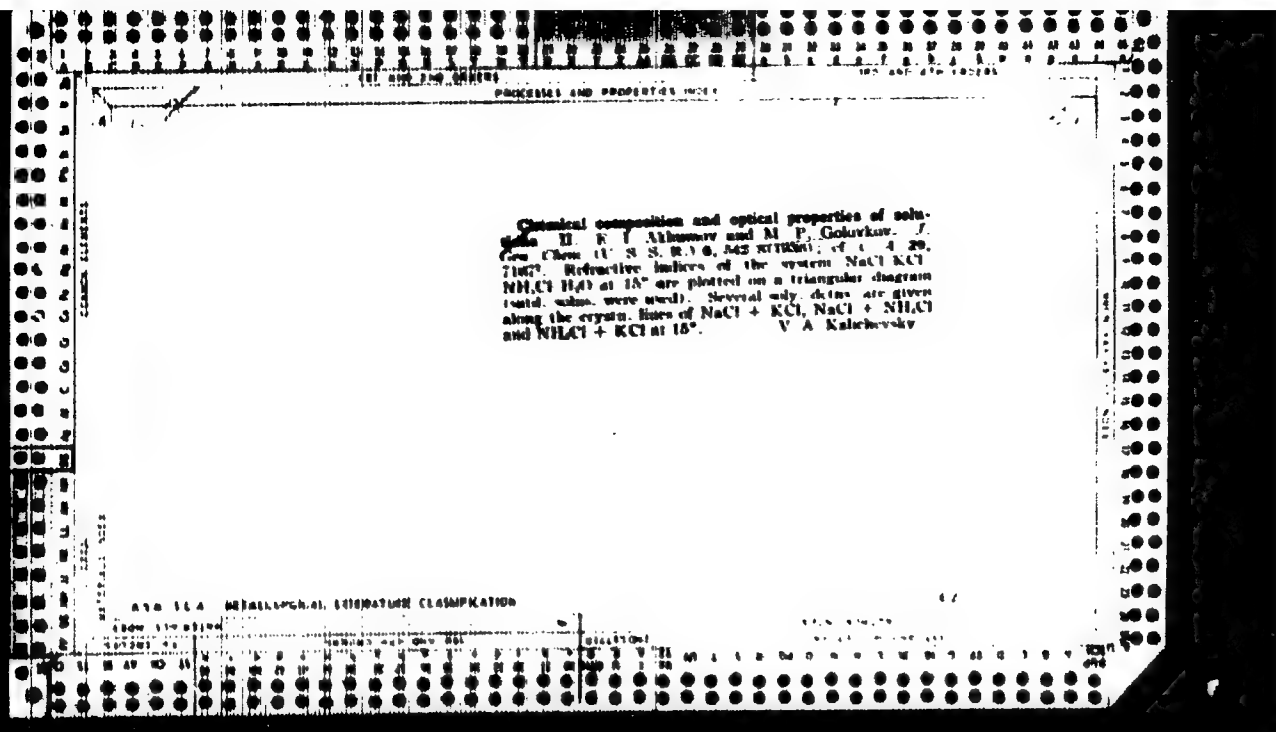
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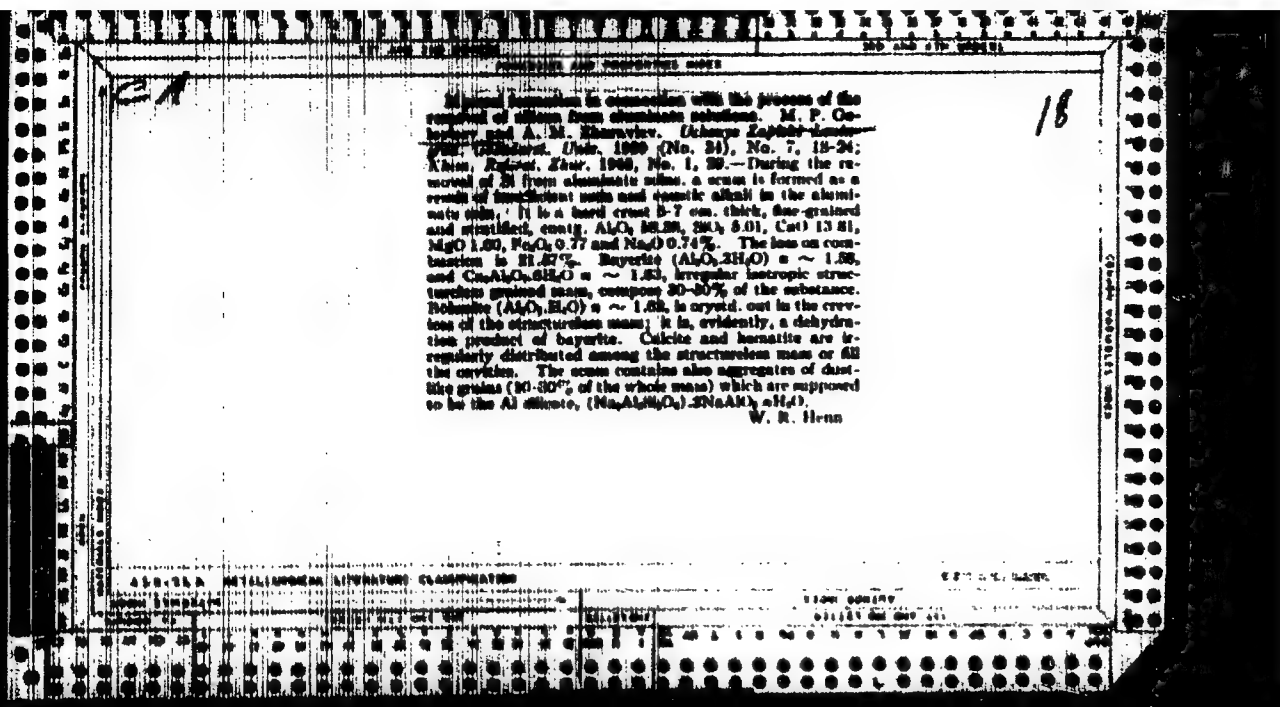
Crystals of sodium borogluconate decahydrate.
O. M. Astumian and M. P. Gerasimov (Trans. State
Inst. Appl. Chem. U.S.S.R., 1966, No. 23, 13-17).—
Na₂B₄O₇·10H₂O, crystallizes with 10 and not with 12H₂O.
Ch. Anal. (c)

ASD-550 RESEARCH LITERATURE CLASSIFICATION

Author	Title	Source	Classification	Notes
ASD-550	RESEARCH LITERATURE CLASSIFICATION			







GOLOVKOV, M. P.

O nekotorykh svoistvakh l'da, obrazuiushchegosia pri obledenienii samoleta. (Akademiia Nauk SSSR. Izvestiia. Seriia geograficheskai i geofizicheskai, 1940, no.1, p.119-123, bibliography)

Summary in English.

Title tr.: Some of the characteristics of ice formed in airplane icing.

AS262.A6216 1940

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

GOLOVKOV, M. P.

Hydrochemistry of Natural Ices Gidrokhim. materialy. 20, 1953, 46-48

The author proposes a scheme of classification of natural ices by proceeding from the principal structural types according to genetic categories of rocks and distribution of main kinds of natural ices corresponding to the microstructure due to the geochemical and thermodynamic conditions of their formation. The classification is given in the form of a diagram of petrographic structures of natural ices of diverse genesis. The author believes that his investigations can clarify the causes of periodically repeating glacial epochs on the earth. (RZhGeol, No 1, 1954)

SO: W-31128, 11 Jan 55

Hydrochem. Inst, AS USSR, Novocherkassk

GOLIKOV, V.F.

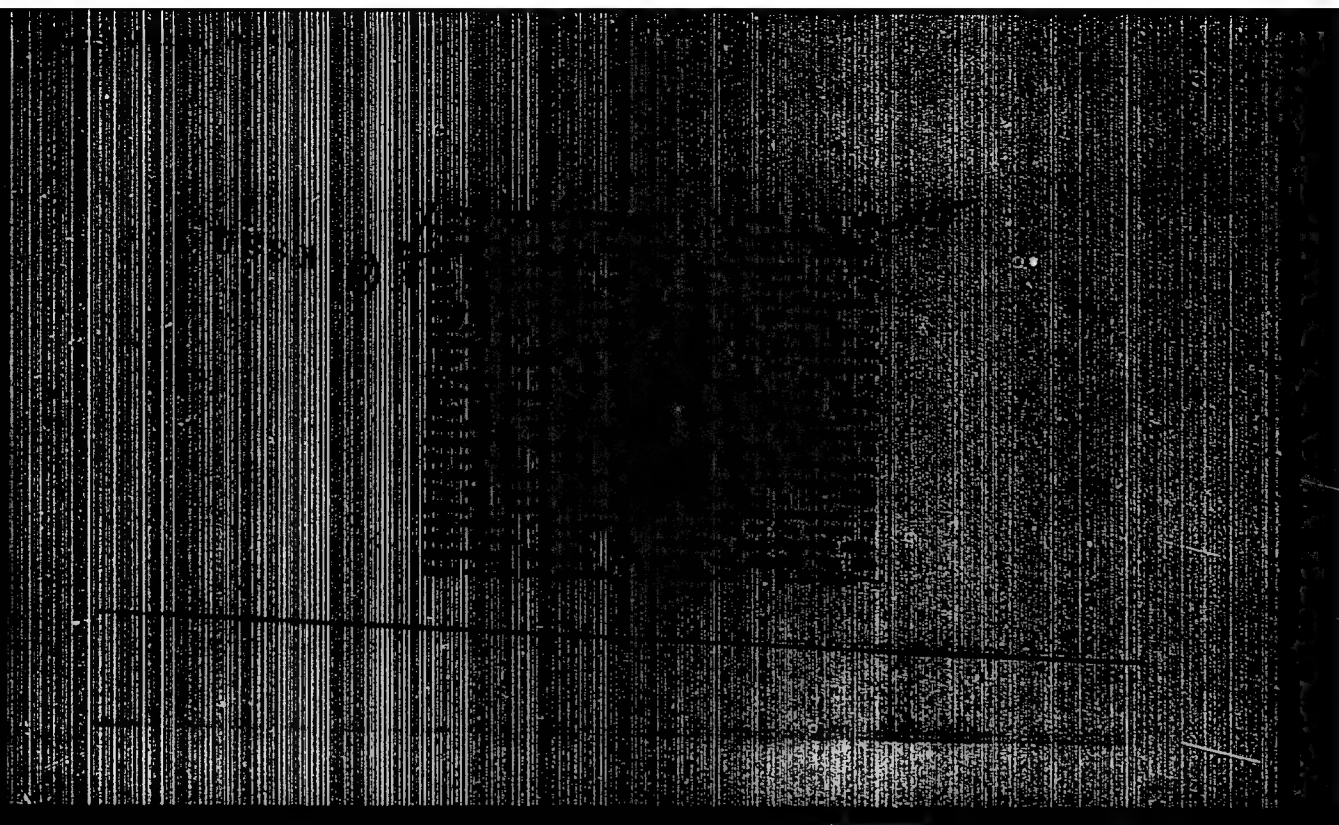
Crystallo-Petrographic Investigation of the Bottom Deposits of Lake Manyashko-Gruminskoye. *Gidrokhim. materialy*, 21, 1953, 97-113.

In the fraction less than 0.001 mm the author observed montmorillonite, galloisite, sericite, hematite minerals, and glinozem [clayey earth] minerals. Predominant were montmorillonite and minerals of free glinozem. In the fraction 0.005-0.001 mm the content of montmorillonite, hematite minerals, and glinozem decreased and galloisite and sericite increased. This composition changed with increasing size of the fractions. (*RZhGeol*, No 1, 1954)

SO: W-31128, 11 Jan 55

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PAKIN, G.V.; GULAYEV, M.P., vysseshtushchiy; KARASIKOV, V.G., inzh.

Discussion of the article "Eliminate lack of personal responsibility in servicing automatic stop devices." Avtom., telem. i svyaz' 7 no.6:45 Je '63. (MIRA 17:3)

1. Pomoshchnik revizora po bezopasnosti dvizheniya poyezdov Kavkazskogo otdeleniya Severo-Kavkazskoy dorogi (for Pakin).
2. Gornenskaya distantsiya signalizatsii i svyazi Severo-Kavkazskoy dorogi (for Karasikov).

GOLADYKOV, M. S.

Continuous line methods for manufacturing code relays. Avtom., telem.
i svyaz' 7 no. 2:47 P '63. (MIRA 16:3)

1. Starshiy inzh. tekhnicheskogo otdela khar'kovskogo elektrotekhnicheskogo zavoda "Transsvyaz'".

(Electric relays)

(Railroads--Electric equipment)

Golovkov, N.I.

GOLOVKOV, N.I.

The organizing and equipping of a teaching workshop in a rural seven-year school. Politekh. sbuch. no.5:93-94 My '57. (MIRA 10:6)
(Workshops--Equipment and supplies) (Manual training)

GOLOVKOV, P.A., starshiy prepodavatel'

Current situation and prospects in the working of coquina quarries
in Rostov Provinces. Trudy NPI 74:71-78 '59. (MIRA 14:3)

1. Kafedra stroitel'nogo proizvodstva Novocherkasskogo politekh-
nicheskogo instituta.

(Rostov Province--Quarries and quarrying)
(Limestone)

GOLOVKOV, P.A.

Choosing the optimum cutting front for stonecutting machines
operating in the quarries of Rostov Province. Trudy NPI 125:
29-35 '61. (MIRA 15:7)

(Rostov Province—Stonecutting)

GOLOVKOV, P. P.

Overall mechanization of the quarrying of building stone in
Rostov Province. Trudy NPI 144:43-53 '63. (MIRA 17:8)

GOLOVKOV, P.A.

Study of the performance of the cutters of the KM-4
stonecutting machine. Trudy NPI 145:21-27 '64. (MIRA 18:12)

GOLOVKOV, P. D.
A

3P

Rate of crystallization of sugar in a chancocito. P. D. Golovkov. *Sakharovaya Prom.* 24, No. 11, 23-4 (1980).
The crystal sugar grows proportionally to the cube of time while the liquid part of the crystal grows proportionally to the time. The following formula gives the av. rate of crystal: $K = 0.00012 \times 10^{-6} t$, where S is wt. of crystal in mg. and t is time of boiling. Since the rate of crystal decreases during the boiling, because the purity of the mother liquor decreases, the initial rate of crystal must be much higher than the av. value above. V. E. Balbow

GOLOVKOV, P.D.

Crystal growth during the cooking and crystallization of massecuite.
Sakh. prom. 31 no.2:14-18 P '57. (MLRA 10:4)

1. Sakharany zavod imeni Karla Libknekhta.
(Crystallization)

GOLOVKOV, P.D.

Source of sugar losses in diffusion. Sakh.prom. 33 no.12:21-25
D '59: (MIRA 13:4)

1. Sakharovy saved imani K. Ibbekhta.
(Sugar manufacture)

MOSKALENKO, S.I.; GABOVICH, M.S.; BACHINSKIY, Yu.V.; TOMILIN, A.V.;
MEDVEDEV, P.M.; IOMANOVA, M.M.; GOLOVKOV, P.D.; GAYDUKOV, G.I.;
ALMYNINOV, V.V.; STENIN, N.D.; MIROMOVA, V.V.; BELAVINTSEVA,
Ye.S.; TSVETSINSKIY, S.Y.; NICHNEPURNYY, P.; KOBZAR', E.K.;
KORHNOVA, Ye.S.; PHELETSKIY, V.N.; GORDEYCHUK, V.K.; SHMERIGO,
V.N.; NISLYUK, N.

Fifty years in the sugar industry. Sakh.prom. 33 no.2:18
P '59. (MIRA 12:3)

(Shtepan, Georgii Viacheslavovich, 1888-)

GOLOVKOV, E.S.

Foreshortening in motion-picture photography. Trudy LIXI
no. 5:124-129 1951. (MIRA 13:12)

1. Kafedra nachertatel'noy geometrii Leningradskogo instituta
Kinoinsbenerov. (Perspective) (Motion-picture photography)

GOLOVKOV, P.S.

Plotting three-dimensional plans of motion-picture settings for
filming with foreshortening. Trudy LIKI no.11:85-92 '64.

(MIRA 18:10)

1. Kafedra nachertatel'noy geometrii i chercheniya Leningradskogo
instituta kinoinzhenerov.

GOLOVKIN, G.T., Cand Tech Sci -- (disa) "Study of certain
the production of ^{the gas} conveying
laws of production of ~~the transportation~~ single-blast
charcoal gas generator in forced ~~engine~~ ^{engine} performance."

Nos, 1958, 11 pp with diagrams (Min of Higher Education

USSR. Mos ~~Union~~ ^{Engineering} Engineering Inst) 120 copies (21, 23-5, 105)

GOLOVKOV, S.I., staryshiy nauchnyy sotrudnik

Investigating the thermal conditions in zones of drying and dry
distillation in the gasification of wood waste. Trudy TSNIIE
no.27:71-83 '61. (MIRA 15:4)
(Wood waste) (Wood distillation)

ZARETSKIY, M.S., starshiy nauchnyy sotrudnik; GOLOVKOV, S.I., starshiy
nauchnyy sotrudnik

Selecting an optimal design for the use of wood waste for power
production and chemical products. Trudy TSNIIME no.27:3-53
'61. (MIRA 15:4)

(Wood waste) (Electric power production)

DOC NO: A-000-118

SOURCE CODE: UR/0413/66/000/002/0040/0040

INVENTOR: Orlov, V. P.; Prolov, G. P.

ORG: none

TITLE: Transistorized dynamic flip-flop. Class 21, No. 177930

SOURCE: Izobreteniya, promyshlennyye obratoy, tovarnyye znaki, no. 2, 1966, 40

TOPIC TAGS: flip flop circuit

ABSTRACT: The dynamic flip-flop shown in Fig. 1 consists of a capacitor serving as a memory element, an input steering section, a feedback path, and an amplifier-pulse

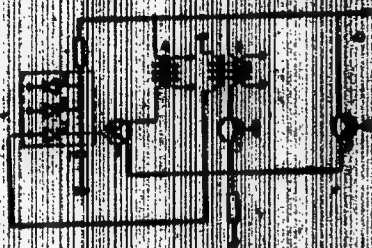


Fig. 1. Dynamic flip-flop

1 - memory capacitor; 2 - diodes;
3 - transistors; 4 - transformers.

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DOC. 021, 074.3

1 17683-66

ACC NO: AP6096318

shaper. To increase the operating speed and obtain two complementary outputs, the amplifier-shaper consists of three current-switching transistors. The base of the first is linked to the capacitor, the base of the second to a d-c voltage source, and the base of the third to a synch pulse generator. The flip-flop outputs are collector-coupled transformer secondary windings. Orig. Art. has: 1 figure. [80]

SUB CITE: 09/ SUBM DATE: 01/19/63/ ATD PRESS: 4209

PELYKH, N.A.; PRONYUSHKIN, A.V.; GOLOVKOV, V.P.; DOBROVOL'SKIY, G.V.

High-precision chronotren. Prib. i tekhn. eksp. 7 no.2:76-80
Mr-Ap '62. (MIRA 15:5)
(Time measurements)

GOLOVKOVA, A.G.

Materials on the geobotanical regionalization of the central Tien
Shan. Trudy TashGU no.186:98-118 '61. (MIRA 14:12)

1. Kirgizskiy gosudarstvennyy universitet.
(Tien Shan—Phytogeography)

7.6000

7.5400

AUTHORS:

37787
S/120/62/000/002/018/047
E192/E382
Pelykh, N.A., Pronyushkin, A.V., Golovkov, V.P. and
Dobrovol'skiy, G.V.

TITLE:

An instrument for high-accuracy measurement of time intervals

PERIODICAL:

Pribery i tekhnika eksperimenta, no. 2, 1962,
76 - 80

TEXT:

The instrument described (type WBU-4 (IVI-4)) was designed on the principle adopted in an earlier device (Ref. 2 - N.A. Pelykh, A.V. Pronyushkin - PTE, no. 4, 1961, 83). The high relative accuracy of this instrument is due to the use of an oscillator and an electronic counter. The counter and the interrogation circuits are of the same type as those used in the earlier instrument. The high absolute accuracy of the instrument is due to the use of an oscillograph system. The instrument employs a two-ray tube, type 18J047 (18L047). When an input pulse appears, the horizontal time bases 1 and 2 are actuated and when these return to their rest position the vertical time base is triggered. The number of lines on
Card 1/4

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E192/E382

An instrument for

the screen of the tube is therefore equal to the number of input pulses. One input pulse is recorded on each line of the time base 1. Simultaneously, timing pulses from a quartz-crystal oscillator working at 1 Mc/s and an interrogation pulse corresponding to the given input pulse are applied to this time base; the interrogation pulse is situated at the mid-point between two neighbouring pulses of the quartz-crystal oscillator. The time base 2 is used for registering the number of timing pulses received during the interval between two neighbouring interrogation pulses; the timing pulses are recorded in a binary code. The instrument comprises a special circuit which synchronously switches off the counter during three periods of the crystal oscillator; this circuit made it possible to use one counter instead of two. The counter continuously counts the pulses from the crystal oscillator before the appearance of the first pulse. However, when an input pulse appears, the time base 1 and a gating pulse generator are triggered, the gating generator producing a positive pulse of 1.5 μ s duration. This pulse is applied to a coincidence circuit which transfers

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An instrument for ...

one or two timing pulses during 1.5 μ s. The coincidence output pulse is applied to a 0.5 μ s delay line and then actuates a switching univibrator which closes the counter for the duration of three timing pulses. This time interval is sufficient for reading or interrogating the counter and recording its count. The front of the switch-off pulses is delayed by 1 μ s and then used to actuate a blocking oscillator which triggers an interrogation circuit and the time base 2. The state of the counter is indicated at the output of the interrogation circuit in the form of a train of pulses and these are applied to the vertical deflection plates of the tube and are recorded on the time base 2. The first line records a random number corresponding to the state of the counter at the instant of the appearance of the input pulse. The input pulse with a delay of 0.5 μ s is applied to the time base 1; the interrogation pulse and the 1 Mc/s time markers are also applied to this time base through a mixer. The interrogation pulse is introduced into the time base 1 in order to eliminate the ambiguity during ± 1 period of the quartz-crystal oscillator.

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An instrument for ...

S/120/62/000/002/018/047
E192/E382

When the unblanking pulse of the time base 2 is terminated the vertical time base is actuated and the rays are shifted vertically by one step. The process is repeated during the appearance of the next pulse at the input. A block diagram of the instrument is given and its operation is illustrated by a number of wave forms. The instrument permits measurement of the individual time intervals with an accuracy of

$\pm (0.02 \mu s + 10^{-6} t_m)$, where t_m is the measured time interval; 10^{-6} represents the short-term instability of the quartz crystal. The maximum number of measured intervals is 40. There are 6 figures and 1 table.

SUBMITTED: May 4, 1961

Card 4/4

GOLOUKOVA, A.G.

GOLOVKOVA, A.G.

Materials on studying mountain tundras of the Kirghiz Ala-Tau.
Uch.zap.Biol.-pochv.fak.Kir.un. no.3:60-66 '52. (MLRA 10:5)
(Kirghiz range--Alpine flora)

GOLOVKOVA, A. G.

Studying Gmelin's vetchling (*Lathyrus Gmelini* Fisch) in Kirghizia.
Uch. zap. Biol. - pochv. fak. Kir. un. no. 3:67-72 1952. (MLBA 10:5)
(Kirghizistan--Vetchling)

~~GOLOVKOVA, A.G.~~

Survey of the vegetation of the Chon-Kemin Valley. Uch.zap.Biol.-pochv.
fak.Kir.un. no.4:43-63 '54. (MLBA 10:5)
(Chon-Kemin Valley--Phytogeography)

NIKITINA, Ye.V.; PROTOPOV, G.F.; ROZHEVITS, R.Yu. [deceased]; POPOVA, K.I.,
KASHCHENKO, L.I.; SMIRNOV, L.A.; TRACHENKO, V.I.; YAKUBOVA, P.A.;
GOLYKOVA, A.G.; AYDAROVA, P.A.; SHPOTA, Ye.I.; SHEVCHENKO, D.A.;
SHISHKIN, Boris Konstantinovich, professor, doktor biologicheskikh
nauk, nauchnyy redaktor; VYDENSKIY, A.I., nauchnyy redaktor;
YEVYUSHENKO, G.A., professor, otvetstvennyy redaktor; KOVALEN, V.N.,
otvetstvennyy redaktor; SHENBYAKOV, V.I., tekhnicheskii redaktor

[The flora of Kirghizistan; classification of the plants of
Kirghizistan] Flora Kirgizskoi SSR; opredelitel' rastenii Kirgizskoi
SSR. Sost. E.V.Nikitina i dr. Frunze, Izd-vo Akademii nauk Kirgizskoi
SSR. Vol.1. [Pteridophyta, Gymnosperms and Monocotyledons of the
Angiosperms] Paprotnikoobraznye, golosemennye i odnodol'nye iz
pokrytosemennykh. 1952. 103 p. Vol. 2. [Grasses and sedges] Zlaki
i oskovyye. 1950. 315 p. Vol.3. [Arbidae - Orchidaceae] Aroidnye -
Orkhidnye. 1951. 148 p. Vol.4. [Salicaceae - Polygonaceae] Ivovye -
Grachishnye. 1953. 153 p. Vol. 5. [Families: Chenopodiaceae,
Amaranthaceae, Portulacaceae, Caryophyllaceae] Semeistva: Marevye,
Amarantovye, Portulakovye, Ovsdichnye. 1955. 185 p. Vol. 6.
[Families: Geratophyllaceae, Ranunculaceae, Berberidaceae,
Papaveraceae, Capparidaceae, Cruciferae] Semeistva: Rogolistnikovye,
Liutikovye, Barbarisovye, Makovye, Kapersovye, Krestotsvetnye. 1955.
297 p.
(MIRA 9:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Shishkin)
(Kirghizistan---Botany)

GOLOVKOVA, A. G.

NIKITINA, Ye.V.; POPOVA, L.I.; AYDAROVA, R.A.; KASHCHENKO, L.I.; PROTOPOPOV,
G.P.; UBUKHNEVA, A.U.; TKACHENKO, V.I.; KORNEVA, I.G.; OBOZOV, A.O.;
GOLOVKOVA, A.G.; VVEDENSKIY, A.I., nauchnyy redaktor; TSYBINA, Ye.V.,
tekhnicheskyy redaktor

[Flora of the Kirghiz S.S.R.; guide to plants of the Kirghiz S.S.R.]
Flora Kirgizskoi SSR; opredelitel' rastenii Kirgizskoi SSR. Frunse,
Izd-vo AN Kirgizskoi SSR. Vol.7. 1957. 642 p. (MIRA 10:9)
(Kirghizistan--Botany)

GOLOVKOVA, A. G. Doc Biol Sci--(dis) "Vegetation of the Central Tyan'-Shan'."
Mos, 1958, 44 pp (Mos Order of Lenin and Labor Red Banner State Univ im M. V.
Lomonosov), 120 copies. List of author's works, pp 43-44 (15 titles)
(KL, 14-58, 111)

- 30 -

GOLovKovA, A. G.

PHASE I BOOK EXPLORATION 507/103

Pravda, Universitet. Nauchnoye studentochnoye obshchestvo
Sbornik nauchnykh rabot studentov, vyp. 2 (Collection of Sci-
entific Works of Students, No. 2) Pravda, 1999. 92 p. 500
copies printed.

Sponsoring Agency: Kirgizskiy gosudarstvennyy universitet.
Nauchnoye studentochnoye obshchestvo.

Resp. Ed.: L. A. Spectorov, Docent, Tech. Sci. M. A. Yefimov.

PREPARE: This book is intended for mathematicians, natural
scientists, and philologists.

COMMENTS: The collection of articles contains studies in mathe-
matics and mechanics, physics, biology, and philology written
by members of the Nauchnoye studentochnoye obshchestvo
(Students' Scientific Association) of Kirgizskiy gosudarstvennyy
universitet (Kirgiz State University) under the guidance of
faculty members. Articles accompany each article.

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PHILLOGY

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NIKITINA, Ye.V.; AYDAROVA, R.A.; KASHCHENKO, L.I.; UBUKYEVA, A.U.;
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FILATOVA, N.S.; SHARASHOVA, V.S.; VVEDENSKIY, A.I., nauchnyy red.;
VYKHODTSOV, I.V., red.; ANOKHINA, M.G., tekhn.red.

[Flora of the Kirghiz S.S.R.; key to the plants of the Kirghiz
S.S.R.] Flora Kirgizskoi SSR; opredelitel' rastenii Kirgizskoi
SSR. Soest: M.V.Nikitina i dr. Nauchn.red. A.I.Vvedenskii. Frunze,
Izd-vo Akad.nauk Kirgizskoi SSR. Vol.8. [The carrot, dogwood, winter-
green, heath, primrose, leadwort, olive, gentian, dogbone, milkweed,
and morning-glory families] Semeistva: sotchnye, kizilovye, grushan-
kovye, versakovye, pervotsvetnye, avinchatkovye, maslinovye, gore-
chavkovye, kutrovye, lastovnyye, v'iunkovye. 1959. 222 p. Vol.9.
[The mint and nightshade families] Semeistva: gubotsvetnye i pasle-
novye. 1960. 213 p. (MIRA 13:7)
(Kirghizistan--Dicotyledons)

GOLOVKOVA, A.G.

Chemical methods of controlling weeds in pastures and meadows of
Kirghizistan. Uch. zap. Biol.-pochv. fak. Kir. un. no.7:91-119 1958
(Kirghizistan—Pastures and meadows) (2,4-D)
(Weed control)

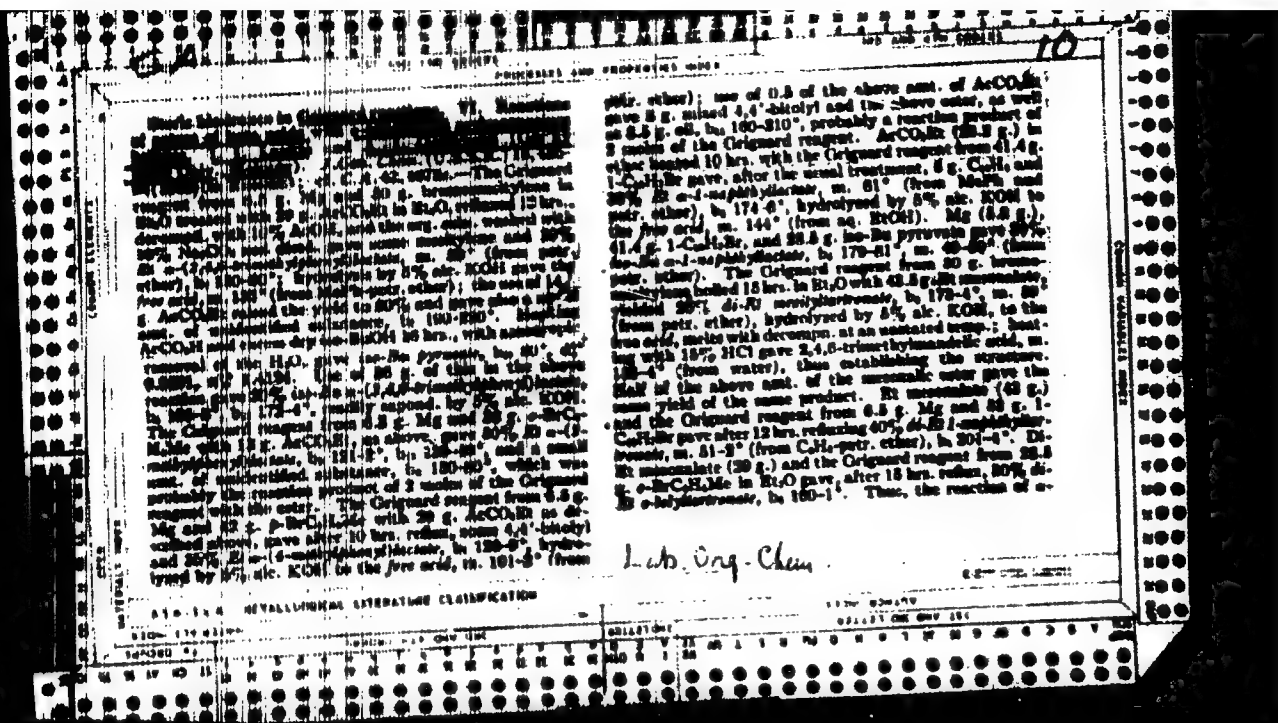
GOLOVKOVA, A.G.

Festuca sulcata steppe in central Tien Shan. Uch. zap.
Biol.-pechr. fak. Kir. un. no.7:301-312 '58. (MIRA 15:10)
(Tien Shan—Steppe flora) (*Fescue* grass)

KELDYSH, M.V., akademik; FEDOROV, Ye.K., akademik; ARTSIMOVICH, L.A., akademik;
 SISAKYAN, A.P., akademik; GORSKIY, I.I.; LAPITSA, P.L.; TOK, V.A.;
 LANDAU, L.D.; LIFSHITS, Ye.M.; SPAL'NIKOV, A.I.; KHALATNIKOV, I.M.;
 ALET SEYEVSKIY, N.Ye.; VAYNSHTEYN, L.A.; PALLADIN, A.V., akademik;
 BATPAYEV, A.I., akademik; AMBARTSUMYAN, V.A., akademik; KUPREVICH,
 V.F.; MUSHKELISHVILI, N.I., akademik; KARAFEYEV, K.K.; MUSTEL', E.R.;
 MASEVICH, A.G., doktor fiz.-matem.nauk; EFRON, k.M.; MARTYNOV, D.Ya.,
 prof.; GREGOR'YEV, A.A., akademik; MAROV, K.K., prof.; COLOVKOVA,
 A.G., prof.; FILATOVA, L.G., prof.; FEYVE, Ya.V.; SEMIKHATOV, B.N.,
 prof.; TITOV, A.G.; RYCHAGOV, G.I.; BARSKAYA, V.F.; VLASOVA, A.A.;
 BARANOVA, Ye.P.; KIBARDINA, L.A.; ISACHENKO, A.F.; IL'INA, Yu.P.;
 DANILOV, A.I., prof.; PLAUE, K.K.; NECPAYEVA, T.N., prof.; CHEPEK,
 L., doktor; SZANTO, Ladislav, akademik; BELACHIK, Yozef; FAN KUOK
 V'YEN; HJGENSON, M.S., prof. (L'vov); STARKOV, N.; AERAMOVICH, Yu.;
 VOSKRESHENSKIY, V.; KROPACHEV, A.; REZVOY, D., prof., (L'vov);
 KONDRAT'YEV, V.N., akademik; LEBEDINSKIY, V.I., kand.geol.-mineral.-
 nauk; YANSHIN, A.L., akademik

"Priroda" is 50 years old. Priroda 51 no.1:3-16 Ja '62.
 (MIRA 15:1)

1. Prezident AN SSSR (for Keldysh). 2. Glavnyy uchenyy sekretar'
 Prezidiuma AN SSSR (for Fedorov). 3. Akademik-sekretar' Otdeleniya
 fiziko-matem.nauk AN SSSR (for Artsimovich). 4. Akademik-sekretar'
 Otdeleniya biologicheskikh nauk AN SSSR (for Sisakyan). 5. Chlen-
 korrespondent AN SSSR, zamestitel' akademika-sekretarya Otdeleniya
 (Continued on next card)



hydro acid esters leads primarily to products resulting from
interaction of the keto group. Therefore, it is probable
that Lemire's products of reaction of MeMgI or EtMgBr
on monomers are really AcC(OH)MeC(OH)Me , and
 EtCC(OH)MeC(OH)Me , resp. O. M. Kozlovskii

10

e 7

Series hindrance in organomagnesium reactions.
VIII. The synthesis of α -hydroxy ketones. I. I. Lapkin
and A. I. Golevskiy (Molotov State Univ.). *J. Gen.
Chem.* [U.S.S.R.] 19, 660-75(1949)(English transla-
tion).—See C.A. 44, 10573. IX. Synthesis of ketones
by the reaction of acyl halides with organomagnesium
compounds. I. I. Lapkin and A. V. Lyubimova. *Ibid.*
677-86(English translation).—See C.A. 44, 10564.
E. J. C

Steric Hindrance in organomagnesium reactions.
 VIII. Preparation of α -hydroxy ketones. I. I. Lapkin and A. I. Golovinskiy, *Zhur. Obshch. Khim.* (J. Gen. Chem.) 19, 701 (1949); cf. C.A. 43, 188a; Pison and Robertson, C.A. 37, 1460. — The synthesis of α -HO ketones from RMgX and diketones fails only with low-mol. unbranched RMgX reagents; the majority of the latter (*o*- and *p*-substituted aryls and branched alkyls) give upon reversed order of addn. in the diketones satisfactory yields of HO ketones. Thus, 50 g. bromomethylbenzene and 7 g. Mg in Et₂O added, after reaction, to 21.5 g. Ac₂ in Et₂O with cooling and stirring, followed by 10 hrs. heating, gave upon decompn. by 10% AcOH, followed by washing with 10% Na₂CO₃, 24% methylmethylacetylacetal, b_p 113-16°, d₄²⁰ 1.0344, n_D²⁰ 1.5165; phenylacetone, m. 174-5° (from EtOH). Similarly, RMgX from 34.3 g. *o*-MeC₆H₄Br gave with 17.2 g. Ac₂ 42% methyl-*o*-tolylacetylacetal, b_p 105-6°, d₄²⁰ 1.0603, n_D²⁰ 1.5335; phenylacetone, m. 133-7° (from EtOH). 3-Bromocyclohexene (43 g.) similarly gave 25% methyl(3-methyl-5-isopropylphenyl)acetylacetal, b_p 127-30°, d₄²⁰ 1.0186, n_D²⁰ 1.5155, while 41 g. 1-BrC₆H₄Br gave 45% methyl-1-naphthylacetylacetal, b_p 133-6°, (crystg. from H₂O as a monohydrate, which loses H₂O on warm. PhMgBr (21.4 g.) gave 30% methylphenylacetylacetal, b_p 98-99°, d₄²⁰ 1.0916, n_D²⁰ 1.5347. IX. Preparation of ketones by reaction of acyl halides with organomagnesium compounds. I. I. Lapkin and A. V. Lyubimov, *Ibid.* 197 16. — The common idea of the impossibility of ketone synthesis from RMgX and RCOCl is true only for small R groups; steric hindrance in either R is sufficient to yield the desired ketones. Di-ortho-substituted derivs. of the RMgX type yield only ketones on reaction with RCOCl, while mono-ortho derivatives (primary with long chains, or secondary or tertiary derivs.) give ketones with proper technique; equimolar proportions and reverse order of addn. RMgBr

from 51 g. bromomethylbenzene and 7 g. Mg heated 1 hr. in Et₂O with 35 g. BrCl and decompd. with 10% AcOH yielded 34% phenylmethylketone, b_p 156° (on Clemmensen reduction yields benzylmethylketone, m. 30°); 2 moles RMgX failed to change the result. RMgX from 57 g. *p*-MeC₆H₄Br in Et₂O added with ice-cooling to 40.6 g. BrCl in Et₂O and treated as above gave 50% *o*-methylbenzophenone, b_p 134-7°, syn-oxime, m. 104-5° (from petr. ether); 2 moles RMgX gives the ketone and some (*o*-MeC₆H₄)₂C(OH)Ph. RMgX (from 82 g. 1-C₆H₄Br) in Et₂O added as above to 35 g. BrCl in Et₂O and heated 5 hrs. gave 60% Ph 1-naphthyl ketone, b_p 197-8°, m. 75° (Clemmensen reduction gave 1-benzyl-naphthalene, m. 108°). RMgX from 43 g. *p*-MeC₆H₄Br with 10 hrs. heating gave 40% Ph *p*-tolyl ketone, b_p 154-5°, m. 53-4° (from EtOH), while RMgX from 31.4 g. PhBr gave with 28 g. BrCl, after standing 1 hr. at room temp., 40% Ph₂CO and 14% Ph₂CCl (probably formed from Ph₂COH and excess BrCl during the reaction), b_p 160-200°, m. 110° (from C₆H₆). RMgX from 40 g. bromomethylbenzene treated in Et₂O with 15.7 g. AcCl in Et₂O, followed by 10 hrs. heating, with stirring 3 hrs., gave 10% Me mesityl ketone, b_p 99-105° (reduced by the Clemmensen method to ethylmethylketone, b_p 297-9°). RMgX (from 114 g. *o*-MeC₆H₄Br) added in Et₂O to 52 g. AcCl with cooling and heated 10 hrs. gave 30% Me *o*-tolyl ketone, b_p 68-9° (Clemmensen reduction gave 2-EtC₆H₄Me, b_p 164-5°), and 14% (*o*-MeC₆H₄)₂C(OH)Ph. RMgX from 82 g. 1-C₆H₄Br added as above to 19.6 g. AcCl with cooling, followed by 10 hrs. heating, gave 50% Me 1-naphthyl ketone, b_p 122-4° (oxime, m. 136° (from dil. EtOH)), as well as 2.5% (1-C₆H₄)₂C(OH)Ph, b_p 160-240°, m. 106-7° (from EtOH-Me₂CO).
 G. M. Kosolapoff

GOLOVKOVA, A. I.

"Steric hindrance in Grignard reactions. XI. Reactions of esters of formic acid with organomagnesium compounds." by I. I. Lapkin and A. I. Golovkova. (p. 117)

SC: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1951, Volume 21, No. 1

BERDYEV, A.A.; GOLLOVKOVA, L.I.; KARAKHANOV, Ya.

Determining zirconium and yttrium by spectrum analysis.

Trudy fiz.-tekh. inst. AN Turk. SSR 8:5-18 '62.

(MIRA 15:11)

(Spectrum analysis)

(Zirconium)

(Yttrium)

GOLOVLEIKOV, D.V., prepodavatel'; YAKOVLEV, I.Ya., prepodavatel'

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